

WHAT IS CLAIMED IS:

1. An operation microscope apparatus, comprising:
 - a support base;
 - a pillar supported by the support base;
 - a support arm whose base end portion is held to the pillar so as to be rotated upward and downward;
 - a plurality of electrically-operated upward-and-downward-motion devices;
 - an operation microscope supported to a tip portion of the support arm through the plurality of electrically-operated upward-and-downward-motion devices; and
 - control means for controlling the plurality of electrically-operated upward-and-downward-motion devices,wherein the plurality of electrically-operated upward-and-downward-motion devices are connected in series.
2. An operation microscope apparatus according to claim 1, wherein the plurality of electrically-operated upward-and-downward-motion devices comprise first and second electrically-operated upward-and-downward-motion devices which are connected in series.
3. An operation microscope apparatus according to claim 2, further comprising:
 - an objective lens of the operation microscope;
 - a front lens provided on a front side of the objective lens;
 - a lens support arm that supports the front lens; and
 - a third electrically-operated upward-and-downward-motion device that supports the lens support arm to a support portion of

the operation microscope so as to be movable upward and downward.

4. An operation microscope apparatus according to any one of claims 1 to 3, wherein the control means separately or integrally controls the plurality of electrically-operated upward-and-downward-motion devices.

5. An operation microscope apparatus according to any one of claims 1 to 4, wherein the support arm held to the pillar is constructed by a parallel link mechanism.